

**Enter Watershed Variables Below**

Watershed Name	<b>Tuttle Lake (East Fork Des Moines)</b>	Watershed Code	<b>7100003005</b>	<input type="button" value="Help"/>	
Landuse Type	<b>Pasture/Grass/Hay</b>	Landuse Acres	<b>4,249</b>	Interest Rate	<b>5%</b>
Typical Unit Size (ac)	<b>60</b>	Percent TA of FA	<b>20%</b>	Cost-Share Rate	<b>50%</b>
Estimated Time Frame = 5 years	Participation Rate	<b>COMPARE</b>	<b>11%</b>	Calculated Participation Rate	<input type="button" value="Next"/>
	<i>(Based on Watershed Profile)</i>			<i>(Based on Projected Future Conditions)</i>	

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Baseline	<b>95%</b>	4,037	Baseline	<b>90%</b>	3,633	Baseline	<b>86%</b>	3,633	3,633	0
			Progressive	<b>10%</b>	404					
			RMS	<b>0%</b>	0					

*Must Total 100%      100%*

Current Conditions			Projected Change			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
Progressive	<b>5%</b>	212	Progressive	<b>70%</b>	149	Progressive	<b>13%</b>	552	149	404
			RMS	<b>30%</b>	64					

*Must Total 100%      100%*

Current Conditions			0			Projected Future Condition				
System	Percent	Acres	System	Percent	Acres	System	Percent	Acres		
								Total	Static	Treated
RMS	<b>0%</b>	0	RMS	100%	0	RMS	<b>2%</b>	64	0	64

<b>Grand Totals</b>	<b>100%</b>	<b>4,249</b>					<b>100%</b>	<b>4,249</b>	<b>3,782</b>	<b>467</b>
---------------------	-------------	--------------	--	--	--	--	-------------	--------------	--------------	------------



# DOCUMENTATION SECTION

## PRACTICE FACTOR SHEET

Only shaded practices are in this analysis.

Modify the formula for each Base, Prog, RMS to enter feet, no. or acres for each practice factor.

Please enter appropriate factor for each level of treatment (Baseline, Progressive, & RMS)



Code	BASE	PROG	RMS	SHORT NOTE <i>TU = Typical Unit Size</i>	Practice Name
314	25.0%	25.0%	x 1.6%	PERCENT of TU	Brush Management (ac.) 314
378	1	1	x 0.1	NUMBER per TU	Pond (no.) 378
382	x 6,600	x 8,000	x 10,000	FEET per TU	Fence (ft.) 382
472	25.0%	x 2.0%	x 3.2%	PERCENT of TU	Use Exclusion (ac.) 472
511	x 1.2%	x 1.4%	x 2.0%	PERCENT of TU	Forage Harvest Management (ac.) 511
512	x 1.2%	x 5.0%	x 6.0%	PERCENT of TU	Pasture & Hayland Planting (ac.) 512
516	1,000	x 1,000	x 1,500	FEET per TU	Pipeline (ft.) 516
528	100.0%	x 25.0%	x 100.0%	PERCENT of TU	Prescribed Grazing (ac.) 528
561	10.0%	x 0.8%	x 1.0%	PERCENT of TU	Heavy Use Area Protection (ac.) 561
578	50	50	x 5	FEET per TU	Stream Crossing 578
614	1	x 1	x 2	NUMBER per TU	Watering Facility (no.) 614
642	1	1	x 0.03	NUMBER per TU	Water Well (no.) 642
327	10.0%	10.0%	1.5%	PERCENT of TU	Conservation Cover (ac.) 327
328	90.0%	95.0%	100.0%	PERCENT of TU	Conservation Crop Rotation (ac.) 328
340	100.0%	100.0%	3.0%	PERCENT of TU	Cover Crop (ac.) 340
342	5.0%	0.5%	1.0%	PERCENT of TU	Critical Area Planting (ac.) 342
380	500	800	2,500	FEET per TU	Windbreak/Shelterbreak Establishment (ft.) 380
393	10.0%	1.0%	2.0%	PERCENT of TU	Filter Strip (ac.) 393
410	1	1	0.10	NUMBER per TU	Grade Stabilization Structure (no.) 410
412	5.0%	0.5%	1.0%	PERCENT of TU	Grassed Waterway (ac.) 412
580	500	500	50	FEET per TU	Streambank & Shoreline Protection (ft.) 580
590	100.0%	65.0%	100.0%	PERCENT of TU	Nutrient Management (ac.) 590
595	100.0%	95.0%	100.0%	PERCENT of TU	Pest Management (ac.) 595
638	1	1	0.30	NUMBER per TU	Water & Sediment Control Basin (no.) 638
643	100.0%	100.0%	0.25%	PERCENT of TU	Restoration and Management of Declining Habitats (ac.) 643
645	100.0%	7.0%	5.0%	PERCENT of TU	Upland Wildlife Habitat Management (ac.) 645
657	100.0%	100.0%	1.0%	PERCENT of TU	Wetland Restoration (ac.) 657
329A	100.0%	4.0%	8.0%	PERCENT of TU	Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329A
329B	65.0%	85.0%	92.0%	PERCENT of TU	Residue and Tillage Management, Mulch Till (ac.) 329B
344	80.0%	100.0%	100.0%	PERCENT of TU	Residue Management, Seasonal (ac.) 344

WATERSHED NAME & CODE		TUTTLE LAKE (EAST FORK DES MOINES) - 7100003005			LANDUSE ACRES		4,249		
LANDUSE TYPE		PASTURE/GRASS/HAY			TYPICAL UNIT SIZE ACRES		60		
ASSESSMENT INFORMATION					ESTIMATED PARTICIPATION		11%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		CURRENT CONDITIONS	FUTURE CONDITIONS			RESOURCE CONCERNS			
		Total Units	Existing Unchanged Units	New Treatment Units	Total Units	Soil Erosion – Streambank	Plant Condition – Productivity, Health and Vigor	Plant Condition – Forage Quality and Palatability	Domestic Animals – Inadequate Quantities and Quality of Feed
<b>Baseline System</b>		<b>System Rating -&gt;</b>			<b>0</b>	<b>4</b>	<b>4</b>	<b>4</b>	
<b>Total Acreage at Baseline Level</b>		<b>4,037</b>	<b>3,633</b>	<b>0</b>	<b>3,633</b>				
Fence (ft.) 382		444,021	399,618	0	399,618	0	1	1	
Forage Harvest Management (ac.) 511		48	44	0	44	0	5	3	
Pasture & Hayland Planting (ac.) 512		48	44	0	44	0	5	5	
<b>Progressive System</b>		<b>System Rating -&gt;</b>			<b>5</b>	<b>5</b>	<b>4</b>	<b>5</b>	
<b>Total Acreage at Progressive Level</b>		<b>212</b>	<b>149</b>	<b>404</b>	<b>552</b>				
Fence (ft.) 382		28,327	64,231	9,419	73,649	0	1	1	
Forage Harvest Management (ac.) 511		3	7	1	8	0	5	3	
Heavy Use Area Protection (ac.) 561		2	1	3	4	5	0	0	
Pasture & Hayland Planting (ac.) 512		11	12	15	28	0	5	5	
Pipeline (ft.) 516		3,541	2,479	6,728	9,206	5	0	0	
Prescribed Grazing (ac.) 528		53	37	101	138	3	5	3	
Use Exclusion (ac.) 472		4	3	8	11	5	3	0	
Watering Facility (no.) 614		4	2	7	9	0	1	1	
<b>Resource Management System (RMS)</b>		<b>System Rating -&gt;</b>			<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	
<b>Total Acreage at RMS Level</b>		<b>0</b>	<b>0</b>	<b>64</b>	<b>64</b>				
Brush Management (ac.) 314		0	0	1	1	2	5	5	
Fence (ft.) 382		0	8,498	2,125	10,623	0	1	1	
Forage Harvest Management (ac.) 511		0	1	0	1	0	5	3	
Heavy Use Area Protection (ac.) 561		0	1	0	1	5	0	0	
Pasture & Hayland Planting (ac.) 512		0	3	1	4	0	5	5	
Pipeline (ft.) 516		0	1,062	531	1,593	5	0	0	
Pond (no.) 378		0	0	0	0	3	0	0	
Prescribed Grazing (ac.) 528		0	16	48	64	3	5	3	
Stream Crossing 578		0	0	5	5	3	0	1	
Use Exclusion (ac.) 472		0	1	1	2	5	3	0	
Water Well (no.) 642		0	0	0	0	0	5	0	
Watering Facility (no.) 614		0	1	1	2	0	1	1	



WATERSHED NAME & CODE		LITTLE LAKE (EAST FORK DES MOINES) - 71000030					LANDUSE ACRES			4,249	
LANDUSE TYPE		PASTURE/GRASS/HAY					TYPICAL UNIT SIZE ACRES			60	
POSSIBLE SOURCES OF FUNDING						ESTIMATED PARTICIPATION			11%		
CONSERVATION SYSTEMS BY TREATMENT LEVELS		FUTURE	USDA INVESTMENT					OTHERS			NOTES/COMMENTS
		New Treatment Units	CTA	EQIP	WRP	WHIP	CSP	CRP/ CREP	Fed	State	
<b>Progressive System Acres Treated</b>		<b>404</b>									
Fence (ft.) 382	9,419	X									
Forage Harvest Management (ac.) 511	1	X	X	X	X	X					
Heavy Use Area Protection (ac.) 561	3	X	X		X						
Pasture & Hayland Planting (ac.) 512	15	X	X		X						
Pipeline (ft.) 516	6,728	X									
Prescribed Grazing (ac.) 528	101	X									
Use Exclusion (ac.) 472	8	X	X			X					
Watering Facility (no.) 614	7	X	X		X	X					
<b>Resource Management System (RMS) Acres Treated</b>		<b>64</b>									
Brush Management (ac.) 314	1	X	X								
Fence (ft.) 382	2,125	X									
Forage Harvest Management (ac.) 511	0	X	X	X	X	X					
Heavy Use Area Protection (ac.) 561	0	X	X		X						
Pasture & Hayland Planting (ac.) 512	1	X	X		X						
Pipeline (ft.) 516	531	X									
Pond (no.) 378	0	X				X					
Prescribed Grazing (ac.) 528	48	X									
Stream Crossing 578	5	X	X			X					
Use Exclusion (ac.) 472	1	X	X			X					
Water Well (no.) 642	0	X		X	X						
Watering Facility (no.) 614	1	X	X		X	X					

